

PATENT

Case Docket No. STANF.131CP2

Date: December 2, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Aydogan Ozcan et al.  
Appl. No. : 10/645,331  
Filed : August 21, 2003  
For : METHOD OF MEASURING A  
PHYSICAL FUNCTION USING  
A COMPOSITE FUNCTION  
WHICH INCLUDES THE  
PHYSICAL FUNCTION AND  
AN ARBITRARY REFERENCE  
FUNCTION  
Examiner : Unknown  
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

December 2, 2003

(Date)

Bruce S. Itchkawitz, Reg. No. 47,677

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

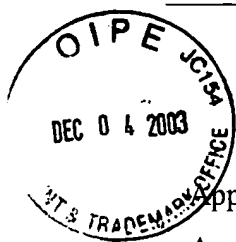
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with twenty (20) references, with copies of all references.
- (X) Return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Bruce S. Itchkawitz  
Registration No. 47,677  
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**INFORMATION DISCLOSURE STATEMENT**

Applicants	:	Aydogan Ozcan et al.
App. No.	:	10/645,331
Filed	:	August 21, 2003
For	:	METHOD OF MEASURING A PHYSICAL FUNCTION USING A COMPOSITE FUNCTION WHICH INCLUDES THE PHYSICAL FUNCTION AND AN ARBITRARY REFERENCE FUNCTION
Examiner	:	Unknown
Group Art Unit	:	Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing twenty (20) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

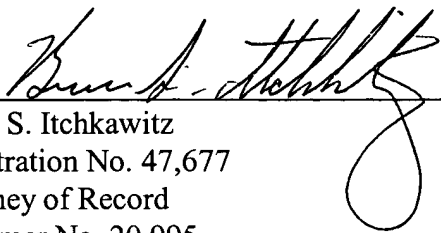
Appl. No. : 10/645,331  
Filed : August 21, 2003

Docket No. STANF.131CP2  
Customer No. 20,995

Respectfully submitted,

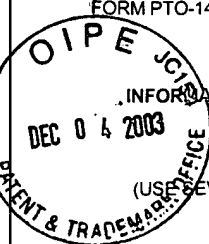
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 12/2/03

By: 

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. STANF.131CP2	APPLICATION NO. 10/645,331
	APPLICANTS Aydogan Ozcan et al.	
	FILING DATE August 21, 2003	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	1	Alley, Thomas G., et al., <i>Space charge dynamics in thermally poled fused silica</i> , Journal of Non-Crystalline Solids 242 (1998), pp. 165-176.
	2	Bonfrate, G., et al., <i>Parametric fluorescence in periodically poled silica fibers</i> , Applied Physics Letters, Vol. 75, No. 16, October 18, 1999, pp. 2356-2358.
	3	Faccio, D., et al., <i>Dynamics of the second-order nonlinearity in thermally poled silica glass</i> , Applied Physics Letters, Vol. 79, No. 17, October 22, 2001, pp. 2687-2689.
	4	Fisher, Robert A., et al., <i>Transient analysis of Kerr-like phase conjugators using frequency-domain techniques</i> , PHYSICAL REVIEW A, Vol. 23, No. 6, June 1981, pp. 3071-3083.
	5	Kazansky, P.G., et al., <i>Thermally poled silica glass: Laser induced pressure pulse probe of charge distribution</i> , Applied Physics Letters, Vol. 68, No. 2, January 8, 1996, pp. 269-271.
	6	Liu, Alice C., et al., <i>Advances in the measurement of the poled silica nonlinear profile</i> , SPIE Vol. 3542, November 1998, pp. 115-119.
	7	Maker, P.D., et al., <i>Effects of Dispersion and Focusing on the Production of Optical Harmonics</i> , Physical Review Letters, Vol. 8, No. 1, January 1, 1962, pp. 21-22.
	8	Millane, R.P., <i>Analytic Properties of the Hartley Transform and their Implications</i> , PROCEEDINGS OF THE IEEE, Vol. 82, No. 3, March 1994, pp. 413-428.
	9	Miller, D.A.B., <i>Time reversal of optical pulses by four-wave mixing</i> , OPTICS LETTERS, Vol. 5, No. 7, July 1980, pp. 300-302.
	10	Myers, R.A., et al., <i>Large second-order nonlinearity in poled fused silica</i> , OPTICS LETTERS, Vol. 16, No. 22, November 15, 1991, pp. 1732-1734.
	11	Nakajima, N., <i>Reconstruction of a real function from its Hartley-transform intensity</i> , J. Opt. Soc. Am. A., Vol. 5, No. 6, June 1988, pp. 858-863.
	12	Pureur, D., et al., <i>Absolute measurement of the second-order nonlinearity profile in poled silica</i> , OPTICS LETTERS, Vol. 23, No. 8, April 15, 1998, pp. 588-590.
	13	Qiu, Mingxin, et al., <i>Double fitting of Maker fringes to characterize near-surface and bulk second-order nonlinearities in poled silica</i> , Applied Physics Letters, Vol. 76, No. 23, June 5, 2000, pp. 3346-3348.
	14	Quiquempois, Y., et al., <i>Localisation of the induced second-order non-linearity within Infrasil and Suprasil thermally poled glasses</i> , Optics Communications 176, April 1, 2000, pp. 479-487.
	15	Sun, P.C., et al., <i>Femtosecond pulse imaging: ultrafast optical oscilloscope</i> , J. Opt. Soc. Am. A, Vol. 14, No. 5, May 1997, pp. 1159-1170.
	16	Watanabe, Shigeki, et al., <i>Compensation of Chromatic Dispersion in a Single-Mode Fiber by Optical Phase Conjugation</i> , IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 5, No. 1, January 1993, pp. 92-95.
	17	Weiner, Andrew M., et al., <i>Femtosecond Pulse Shaping for Synthesis, Processing, and Time-to-Space Conversion of Ultrafast Optical Waveforms</i> , IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, Vol. 4, No. 2, March/April 1998, pp. 317-331.
	18	Weiner, Andrew M., et al., <i>Femtosecond Spectral Holography</i> , IEEE JOURNAL OF QUANTUM ELECTRONICS, Vol. 28, No. 10, October 1992, pp. 2251-2256.
	19	Yariv, Amnon, et al., <i>Compensation for channel dispersion by nonlinear optical phase conjugation</i> , OPTICS LETTERS, Vol. 4, No. 2, February 1979, pp. 52-54.
	20	Ferreira, Paulo Jorge S.G., <i>Interpolation and the Discrete Papoulis-Gerchberg Algorithm</i> , IEEE TRANSACTIONS ON SIGNAL PROCESSING, Vol. 42, No. 10, October 1994, pp. 2596-2606.

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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	